



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

**DATA MATRIX**

Date <b>07/31/2014</b>			EPA Reg. No./File Symbol <b>365-86</b>		Page <b>1</b> of <b>6</b>
Applicant's/Registrant's Name & Address: <b>Troy Chemical Company Ltd., 242 Applewood Crescent, Concord, ON L4K 4E5 Canada</b>			Product <b>MERGAL® OIT Technical</b>		
Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550/61-1	Product Identity and Composition	49031101	TROY	OWN	
830.1600/61-2	Description of the Materials Used to Produce the Product	49031101	TROY	OWN	
830.1650/61-2	Description of the Manufacturing Process	49031101	TROY	OWN	
830.1670/61-3	Discussion of Formation of Impurities	49031101	TROY	OWN	
830.1700/62-1	Preliminary Analysis	49031101	TROY	OWN	
830.1750/62-2	Certified Limits	49031101	TROY	OWN	
830.1800/62-3	Enforcement Analytical Method	49031101	TROY	OWN	
830.6302/63-2	Color	49031101	TROY	OWN	
830.6303/63-3	Physical State	49031101	TROY	OWN	
830.6304/63-4	Odor	49031101	TROY	OWN	
830.7200/63-5	Melting Point				Not Applicable
830.7220/63-6	Boiling Point	49031101	TROY	OWN	
830.7300/63-7	Density/Relative Density/Bulk Density	49031102	TROY	OWN	
830.7840/63-8	Solubility (Column elution/shake flask)	49031102	TROY	OWN	
830.7950/63-9	Vapor Pressure	41222604 41482501	Rohm & Haas Rohm & Haas	OLD OLD	
830.7370/63-10	Dissociation Constant	49031102	TROY	OWN	
830.7550/7560/7570/63-11	Partition Coefficient	49031102	TROY	OWN	
830.7000/63-12	pH	49031102	TROY	OWN	

Signature

*Maureen Mikszta*

Name and Title **Maureen Mikszta, Senior Regulatory Manager**

Date

**07/31/2014**



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830.1670/61-3	Discussion of Formation of Impurities				
830.1700/62-1	Preliminary Analysis				
830.1750/62-2	Certified Limits				
830.1800/62-3	Enforcement Analytical Method				
830.6302/63-2	Color				
830.6303/63-3	Physical State				
830.6304/63-4	Odor				
830.7200/63-5	Melting Point				
830.7220/63-6	Boiling Point				
830.7300/63-7	Density/Relative Density/Bulk Density				
830.7840/63-8	Solubility (Column elution/shake flask)				
830.7950/63-9	Vapor Pressure				
830.7370/63-10	Dissociation Constant				
830.7550/7560/7570/63-11	Partition Coefficient				
830.7000/63-12	pH				

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Name and Title Maureen Miksztat, Senior Regulatory Manager

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Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6313/63-13	Stability	49031102	TROY	OWN	
830.6314/63-14	Oxidation/Reduction: Chemical Compatibility				Not Applicable
830.6315/63-15	Flammability	49031101	TROY	OWN	
830.6316/63-16	Explosibility	49031101	TROY	OWN	
830.6317/63-17	Storage Stability	49031101 49438601	TROY TROY	OWN OWN	
830.7100/63-18	Viscosity				Not applicable
830.6319/63-19	Miscibility				Not applicable
830.6320/63-20	Corrosion Characteristics	49031101 49438601	TROY TROY	OWN OWN	
830.6321/63-21	Dielectric Breakdown Voltage	49031101	TROY	OWN	
71-2 (a)/850.2200	Acute avian diet - quail	00026808 00026809 41608001 41608002 44859001	Rohm & Haas Rohm & Haas Rohm & Haas Rohm & Haas Rohm & Haas	OLD OLD OLD OLD OLD	
71-2 (b)/850.2200	Acute avian diet - duck	00026807 41608003	Rohm & Haas Rohm & Haas	OLD OLD	
72-1 (a)/850.1075	Fish toxicity - bluegill	00026805 41608004	Rohm & Haas Rohm & Haas	OLD OLD	
72-1 (c)/850.1075	Fish toxicity - rainbow	41608005	Rohm & Haas	OLD	
72-2 (a)/850.1010	Invertebrate toxicity	00026806 41608006	Rohm & Haas Rohm & Haas	OLD OLD	
72-3 (a)/850.1045	Estuarine/Marine Toxicity - Fish	41608007	Rohm & Haas	OLD	
72-3 (b)/850.1025	Estuarine/Marine Toxicity - Mollusk	41700701	Rohm & Haas	OLD	

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830.6314/63-14	Oxidation/Reduction: Chemical Compatibility				
830.6315/63-15	Flammability				
830.6316/63-16	Explosibility				
830.6317/63-17	Storage Stability				
830.7100/63-18	Viscosity				
830.6319/63-19	Miscibility				
830.6320/63-20	Corrosion Characteristics				
830.6321/63-21	Dielectric Breakdown Voltage				
71-2 (a)/850.2200	Acute avian diet - quail				
71-2 (b)/850.2200	Acute avian diet - duck				
72-1 (a)/850.1075	Fish toxicity - bluegill				
72-1 (c)/850.1075	Fish toxicity - rainbow				
72-2 (a)/850.1010	Invertebrate toxicity				
72-3 (a)/850.1045	Estuarine/Marine Toxicity - Fish				
72-3 (b)/850.1025	Estuarine/Marine Toxicity - Mollusk				

Signature 	Name and Title Maureen Mikszta, Senior Regulatory Manager	Date 07/31/2014
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Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-3 (c)/850.1035	Estuarine/Marine Toxicity – Shrimp	41608008	Rohm & Haas	OLD	
72-4A/850.1400	Early Life Stage Fish	41909301	Rohm & Haas	OLD	
72-4B/850.1300	Life Cycle Invertebrate	41909401	Rohm & Haas	OLD	
850.5400	Green Algae	44071001	Rohm & Haas	OLD	
850.5400	Blue Green Cyanobacteria	48557406	Rohm & Haas	PAY	
850.5400	Freshwater Diatom	48557405	Rohm & Haas	PAY	
850.5400	Marine Diatom	47315009	Thor Chemical	PAY	
		48358622	Thor Chemical	PAY	
870.1100/81-1	Acute Oral Toxicity	00063214	Rohm & Haas	OLD	
		00070456	Rohm & Haas	OLD	
870.1200/81-2	Acute Dermal Toxicity	00070456	Rohm & Haas	OLD	
870.1300/81-3	Acute Inhalation Toxicity	00063214	Rohm & Haas	OLD	
		00070456	Rohm & Haas	OLD	
870.2400/81-4	Primary Eye Irritation	00063214	Rohm & Haas	OLD	
		00070456	Rohm & Haas	OLD	
870.2500/81-5	Primary Dermal Irritation	00063214	Rohm & Haas	OLD	
870.2600/81-6	Skin Sensitization	00063214	Rohm & Haas	OLD	
		41482505	Rohm & Haas	OLD	
		41482507	Rohm & Haas	OLD	
81-8/870.6200	Acute Rat Neurotoxicity				Not Required
82-1 (a)/870.3100	90-day feeding - rodent	00136524	Rohm & Haas	OLD	
		00136525	Rohm & Haas	OLD	
82-2/870.3200	21-Day Dermal				Not Required
82-3/870.3250	90-day dermal - rodent	42007301	Rohm & Haas	OLD	
		43935705	Rohm & Haas	OLD	
		43935707	Rohm & Haas	OLD	
82-3/870.3465	90-day inhalation-rodent	00136527	Rohm & Haas	OLD	
		41544701	Rohm & Haas	OLD	

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Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-3 (c)/850.1035	Estuarine/Marine Toxicity – Shrimp				
72-4A/850.1400	Early Life Stage Fish				
72-4B/850.1300	Life Cycle Invertebrate				
850.5400	Green Algae				
850.5400	Blue Green Cyanobacteria				
850.5400	Freshwater Diatom				
850.5400	Marine Diatom				
870.1100/81-1	Acute Oral Toxicity				
870.1200/81-2	Acute Dermal Toxicity				
870.1300/81-3	Acute Inhalation Toxicity				
870.2400/81-4	Primary Eye Irritation				
870.2500/81-5	Primary Dermal Irritation				
870.2600/81-6	Skin Sensitization				
81-8/870.6200	Acute Rat Neurotoxicity				
82-1 (a)/870.3100	90-day feeding - rodent				
82-2/870.3200	21-Day Dermal				
82-3/870.3250	90-day dermal - rodent				
82-3/870.3465	90-day inhalation-rodent				

Signature *Maureen Mikszta*

Name and Title **Maureen Mikszta, Senior Regulatory Manager**

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Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
82-7/870.6200	90-Day Rat Neurotoxicity				Not Required
83-1 (a)/870.4100	Chronic tox - Rat	00139419	Rohm & Haas	OLD	
83-2 (b)/870.4200	Oncogenicity - Mouse	00139417 00139484 00152846	Rohm & Haas Rohm & Haas Rohm & Haas	OLD OLD OLD	
83-3 (a)/870.3700	Teratogenicity - Rat/ Mouse	00046403 41482508	Rohm & Haas Rohm & Haas	OLD OLD	
83-3 (b)/870.3700	Teratogenicity - Rabbit	00058029	Rohm & Haas	OLD	
83-4/870.3800	2-generation reproduction - rat		Rohm & Haas	PAY	
84-2 (a)/870.5100	Gene Mutation - Ames	43935708 41482510	Rohm & Haas Rohm & Haas	OLD OLD	
84-2 (b)/870.5375	Structural Chromosomal Aberration	43935710	Rohm & Haas	OLD	
84-4/870.5500	Other Genotoxic Effects - Forward Mutations	43935709	Rohm & Haas	OLD	
84-4/870.5500	Other Genotoxic Effects - Unscheduled DNA	40647505	Rohm & Haas	OLD	
85-1/870.7845	General Metabolism	47198002	Rohm & Haas	OLD	
123-1(a)/850.4225	Seedling Germination / Emergence Tier 2				Not Required
123-1(b)/850.4225	Vegetative Vigor - Tier 2				Not Required
123-2/850.4400	Aquatic Field Growth				Not Required
132-1(a)/875.2100	Reentry Protection-Foliar Residue Dissipation				Not Required
133-3/875.2400	Dermal Passive Dosimetry Exposure		CMA TASK FORCE /TROY CMA TASK FORCE /TROY CMA TASK FORCE/TROY	OWN/PER OWN/PER OWN/PER	See Footnote 1 regarding Exposure Task Force Status
133-4/875.2500	Inhalation Passive Dosimetry Exposure				Not Required
141-1/850.3020	Nontarget Insect Data Acute Toxicity - Honey Bee				Not Required
161-1/Series 835	Hydrolysis	42306401	Rohm & Haas	OLD	

Signature

*Maureen Mikszta*

Name and Title Maureen Mikszta, Senior Regulatory  
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82-7/870.6200	90-Day Rat Neurotoxicity				
83-1 (a)/870.4100	Chronic tox - Rat				
83-2 (b)/870.4200	Oncogenicity - Mouse				
83-3 (a)/870.3700	Teratogenicity - Rat/ Mouse				
83-3 (b)/870.3700	Teratogenicity - Rabbit				
83-4/870.3800	2-generation reproduction - rat				
84-2 (a)/870.5100	Gene Mutation - Ames				
84-2 (b)/870.5375	Structural Chromosomal Aberration				
84-4/870.5500	Other Genotoxic Effects - Forward Mutations				
84-4/870.5500	Other Genotoxic Effects - Unscheduled DNA				
85-1/870.7845	General Metabolism				
123-1(a)/850.4225	Seedling Germination / Emergence Tier 2				
123-1(b)/850.4225	Vegetative Vigor - Tier 2				
123-2/850.4400	Aquatic Field Growth				
132-1(a)/875.2100	Reentry Protection-Foliar Residue Dissipation				
133-3/875.2400	Dermal Passive Dosimetry Exposure				
133-4/875.2500	Inhalation Passive Dosimetry Exposure				
141-1/850.3020	Nontarget Insect Data Acute Toxicity - Honey Bee				
161-1/Series 835	Hydrolysis				

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Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-3/Series 835	Photodegradation - Soil				Not Required
162-1/Series 835	Aerobic Soil Metabolism				Not Required
162-2/Series 835	Anaerobic Soil Metabolism				Not Required
162-3/Series 835	Anaerobic Aquatic Metabolism				Not Required
162-4/Series 835	Aerobic Aquatic Metabolism				Not Required
163-1/Series 835	Leach/adsorption/desorption				Not Required
163-2/Series 835	Volatility - lab				Not Required
163-3/Series 835	Volatility - field				Not Required
164-1/Series 835	Terrestrial Field Dissipation				Not Required
164-2/Series 835	Aquatic Field Dissipation				Not Required
164-3/Series 835	Forest Field Dissipation				Not Required
164-5/Series 835	Long Term Soil Dissipation				Not Required
165-1/860.1850	Confined Rotational Crop				Not Required
165-2/860.1900	Field rotational crop				Not Required
165-4/860.1400	Bioaccumulation in Fish				Not Required
168-1SS	Special Study Aqueous Availability				Not Required
171-3/860.1200	Residue Chemistry Directions for Use				Not Required
171-4(a)/860.1300	Nature of Residue - Plants				Not Required
171-4(b)/860.1300	Nature of Residue - Livestock				Not Required
171-4(c)/860.1340	Residue Analytical Method - Plant				Not Required
171-4(d)/860.1340	Residue Analytical Method - Animal				Not Required
171-4 (e)/860.1380	Storage Stability				Not Required
171-4(j)/860.1480	Magnitude meat/milk /poultry				Not Required
171-4(k)/860.1500	Cropfield Trials - Citrus				Not Required

Signature 	Name and Title Maureen Mikszta, Senior Regulatory Manager	Date 07/31/2014
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162-1/Series 835	Aerobic Soil Metabolism				
162-2/Series 835	Anaerobic Soil Metabolism				
162-3/Series 835	Anaerobic Aquatic Metabolism				
162-4/Series 835	Aerobic Aquatic Metabolism				
163-1/Series 835	Leach/adsorption/desorption				
163-2/Series 835	Volatility - lab				
163-3/Series 835	Volatility - field				
164-1/Series 835	Terrestrial Field Dissipation				
164-2/Series 835	Aquatic Field Dissipation				
164-3/Series 835	Forest Field Dissipation				
164-5/Series 835	Long Term Soil Dissipation				
165-1/860.1850	Confined Rotational Crop				
165-2/860.1900	Field rotational crop				
165-4/860.1400	Bioaccumulation in Fish				
168-1SS	Special Study Aqueous Availability				
171-3/860.1200	Residue Chemistry Directions for Use				
171-4(a)/860.1300	Nature of Residue - Plants				
171-4(b)/860.1300	Nature of Residue - Livestock				
171-4(c)/860.1340	Residue Analytical Method - Plant				
171-4(d)/860.1340	Residue Analytical Method - Animal				
171-4 (e)/860.1380	Storage Stability				
171-4(j)/860.1480	Magnitude meat/milk /poultry				
171-4(k)/860.1500	Cropfield Trials - Citrus				

Signature

*Maureen Mikszta*

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171-4(k)/860.1500	Cropfield Trials - Cotton				Not Required
171-4(l)/860.1520	Processed Food - Citrus				Not Required
171-4(l)/860.1520	Processed Food - Cotton				Not Required
201-1/840.1100	Spray Drift Data - Droplet Size Spectrum				Not Required
202-1/840.1200	Drift Field Evaluation				Not Required
231/875.1100	Estimation of Dermal Exposure at Outdoor Sites				Not Required
232/875.1300	Estimation of Inhalation Exposure at Outdoor Sites				Not Required

**FOOTNOTES:**

- 1 Please note that Troy Chemical Corporation (Troy Canada) is currently an active member in good standing with the Antimicrobial Exposure Assessment Task Force II headed by the American Chemistry Council and, therefore, shares ownership of the data identified by these MRID numbers.

Signature 	Name and Title Maureen Miksztat, Senior Regulatory Manager	Date 07/31/2014
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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**DATA MATRIX**

Date 07/31/2014		EPA Reg. No./File Symbol 365-86		Page 6 of 6	
Applicant's/Registrant's Name & Address: Troy Chemical Company Ltd., 242 Applewood Crescent, Concord, ON L4K 4E5 Canada		Product MERGAL® OIT Technical			
Ingredient(s):					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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Signature 	Name and Title Maureen Mikszta, Senior Regulatory Manager	Date 07/31/2014
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